



P.O. BOX 110  
3580 SALT POINT ROAD  
WATKINS GLEN, NY 14891-0110  
607/535-2721

November 6, 2009

US EPA Region 2  
Attention: Mr. Luis Rodriguez  
Drinking & Groundwater Protection Branch  
290 Broadway  
New York, NY 10007-1866

Re.: MITs – US Salt LLC Brinefield

Dear Mr. Rodriguez:

Our contract geologist, Larry Sevenker, has completed MIT work on stratigraphic test wells in the US Salt LLC brinefield. Application to convert these wells for solution mining will be submitted to NYS DEC.

Enclosed please find copies of:

1. MIT reports for wells 47 and 55.

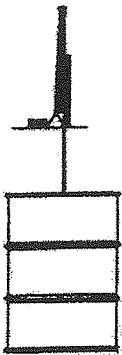
If you have any questions or need additional information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert Traver'.

Robert Traver  
Technical Manager

xc: Peter Briggs - NYSDEC  
Dave Crea  
Frank Pastore (Cover)



**LARRY SEVENKER**

**Consulting Engineer**

4148 Loire Dr.  
Kenner, LA 70065

(504) 468-1909

October 09, 2009

Mr. Dave Crea  
US Salt Company  
P.O. Box 110  
Watkins Glen, NY 14891

**RE: MIT Well 47**

Dear Dave:

A water/brine interface MIT pressure test was conducted on well 47. The well 47 casing was pressured with fresh water for the MIT and well 51 casing was used as the reference well containing saturated brine. The testing was conducted to assure mechanical integrity of the well 47 casing of 8-5/8" 32# at 2605' (perforated). Water was pumped to within 50' of the perforations of the casing. The well was allowed to stabilize before the mechanical integrity test on the 8-5/8" casing. Well 51 was used as the reference well and the brine was determined to be saturated. Well 51 has 5-1/2" casing cemented to 2209'. The gallery consists of wells 47, 48, 50, 51, 55 and 56. Wells 48, 56 and 50 were allowed to operate while the water/ brine interface MIT was conducted with well 47 as the test well and well 51 as the reference well.

Well 47 was pressured with 6540 gallons of fresh water. After the pump was shut off and the valves closed, the static wellhead pressure stabilized and the pressure test started using Ashcroft Digital Test Gauges. Pressure recordings were recorded at two hour intervals for 8 hours. Well 47 passed the EPA's MIT casing pressure test requirements for the water/ brine interface pressure test.

**MIT of Well 47**      API 31-097-61203Well 47 Construction

Date Drilled      June 25, 1972

Elevation      781'

Surface Casing      13-3/8"      48#      104'      Cemented 250 sx Pozmix

Production Casing      8-5/8"      32#      2905'      Cemented 2094 sx Pozmix

Casing Liner      5-1/2"      15.5#      2920'      Pulled Out

Top of Salt      2124'

Bottom of Salt      2930'

Total Depth      2687'

Logging Date: July 05, 1999

Log Run: Gamma Ray

MIT Date: October 07, 2009

Ashcroft Digital Test Pressure Gauge Serial #s at Wells 47 &amp; 51, respectively:

	1304540	1304548		
<u>Time</u>	<u>Well 47</u>	<u>Well 51</u>	<u>Press. Diff</u>	<u>Remarks</u>
09:00 am	305.33 psi	137.23 psi	168.10 psi	Start test
11:00 pm	311.03 psi	142.50 psi	168.53 psi	
01:00 pm	315.35 psi	146.42 psi	168.93 psi	
03:00 pm	314.66 psi	146.02 psi	168.64 psi	
05:00 pm	310.51 psi	142.07 psi	168.44 psi	End test

Avg Start      305.33 psi      -      137.23 psi = 168.10 psi

Avg End      310.51 psi      -      142.07 psi = 168.44 psi

Change =      + 5.18 psi      + 4.84 psi      + 0.34 psi

Calculation of Net Pressure Change Rate (NPCR):

(Avg Start - Avg End) / Test Hours (168.10 psi - 168.44 psi) / 8 Hrs = - 0.043psi / Hr

For MIT 8 hour test, NPCR was - 0.043 psi / Hour, which is within Test-Pass Limits of +/- 0.05 psi / Hr, therefore...

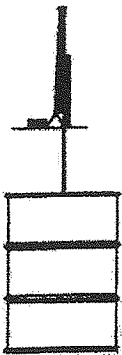
Well 47 passed the EPA MIT for Water/Brine Interface Test Criteria with - 0.043 psi / Hr NPCR on October 07, 2009.

If you have any questions or comments, please contact me at 504-468-1909.

Sincerely,



Larry Sevenker  
Consulting Engineer



**LARRY SEVENKER**

**Consulting Engineer**

4148 Loire Dr.  
Kenner, LA 70065

(504) 468-1909

October 09, 2009

Mr. Dave Crea  
US Salt Company  
P.O. Box 110  
Watkins Glen, NY 14891

**RE: MIT Well 55**

Dear Dave:

A water/brine interface MIT pressure test was conducted on well 55. The well 55 casing was pressured with fresh water for the MIT and well 51 casing was used as the reference well containing saturated brine. The testing was conducted to assure mechanical integrity of the well 55 casing of 8-5/8" 32# at 2638' (perforations). Water was pumped to within 55' of the perforations of the casing. The well was allowed to stabilize before the mechanical integrity test on the 8-5/8" casing. Well 51 was used as the reference well and the brine was determined to be saturated. Well 51 has 5-1/2" casing cemented to 2209'. The gallery consists of wells 47, 48, 50, 51, 55 and 56. Wells 48, 56 and 50 were allowed to operate while the water/ brine interface MIT was conducted with well 55 as the test well and well 51 as the reference well.

Well 55 was pressured with 6682 gallons of fresh water. After the pump was shut off and the valves closed, the static wellhead pressure stabilized and the pressure test started using Ashcroft Digital Test Gauges. Pressure recordings were recorded at two hour intervals for 8 hours. Well 55 passed the EPA's MIT casing pressure test requirements for the water/ brine interface pressure test.

**MIT of Well 55**      API 31-097-12548Well 55 Construction

Date Drilled      January, 1977

Elevation      806'

Surface Casing      13-3/8"      NA#      40'      Cemented 2 yds Portland

Production Casing      8-5/8"      32#      2638'      Cemented 1300 sx Pozmix

Top of Salt      2162'

Bottom of Salt      2954'

Total Depth      2516'

Logging Date: July 02, 1999

Log Run: Gamma Ray

MIT Date: October 08, 2009

Ashcroft Digital Test Pressure Gauge Serial #s at Wells 55 &amp; 51, respectively:

	1304548	1304540		
<u>Time</u>	<u>Well 55</u>	<u>Well 51</u>	<u>Press. Diff</u>	<u>Remarks</u>
06:30 am	301.56 psi	141.31 psi	160.25psi	Start test
08:30 am	303.99 psi	143.85 psi	160.14 psi	
10:30 am	306.03 psi	145.76 psi	160.27 psi	
12:30 pm	305.17 psi	145.05 psi	160.12 psi	
02:30 pm	302.02 psi	142.15 psi	159.87 psi	End test

Avg Start      301.56 psi      -      141.31 psi = 160.25 psi

Avg End      302.02 psi      -      142.15 psi = 159.87 psi

Change      + 0.46 psi      + 0.84 psi      - 0.38 psi

Calculation of Net Pressure Change Rate (NPCR):

(Avg Start - Avg End) / Test Hours (160.25 psi – 159.87 psi) / 8 Hrs = 0.048psi / Hr

For MIT 8 hour test, NPCR was 0.048 psi / Hour, which is within Test-Pass Limits of +/- 0.05 psi / Hr, therefore...

Well 55 passed the EPA MIT for Water/Brine Interface Test Criteria with 0.048 psi / Hr NPCR on October 08, 2009.

If you have any questions or comments, please contact me at 504-468-1909.

Sincerely,



Larry Sevenker  
Consulting Engineer